

METHOD AND SYSTEM FOR CACHING VIRUS-FREE FILE CERTIFICATES

Abstract of the Disclosure

The present invention relates to computer viruses and more particularly to a method and system for caching anti-virus file certificates. Each anti-virus certificate associated with a file comprises a file signature. The file signature is generated by a virus-free certificate authority, which avoids the system, which receives the file to check this file for all existing viruses. The virus-free certificate authority validates the file against all known viruses, using one or several anti-virus checkers. In case of new viruses, only the virus-free certificate authority is changed and the only process performed by the system receiving the file is to verify the file against the file signature included in the virus-free certificate, and to filter the file according predetermined rules. The present invention drastically simplifies the computing resources for detecting viruses on network devices such as IP Routers and Firewalls.